

Amendments to the Claims:

The following listing of claims will replace all prior versions, and listings, of claims in the application:

1. (Original) A rotary ring for use in scale reading apparatus, comprising:
a flexible ring, the flexible ring having scale markings provided on a surface thereof.
2. (Currently Amended) A system for mounting a rotary ring for use in scale reading apparatus onto a machine part, comprising the rotary ring of claim 1 and co-operating means on one or both of said machine part and said rotary ring, said co-operating means comprising a region of increased diameter.
- 3-19. (Canceled)
20. (New) A system according to claim 2 wherein the cooperating means is located on the machine part.
21. (New) A system according to claim 20 wherein the region of increased diameter is integral with the machine part.
22. (New) A system according to claim 20 wherein the region of increased diameter is not integral with the machine part.
23. (New) A system according to claim 2 wherein the region of increased diameter comprises an annular protrusion.
24. (New) A system according to claim 2 wherein the region of increased diameter comprises a tapered surface.
25. (New) A system according to claim 2 wherein the flexible rotary ring is provided with a tapered surface.

26. (New) A system according to claim 2 wherein at least one of the region of increased diameter and the rotary ring is provided with a tapered surface and form a self locking taper.

27. (New) A system according to claim 22 wherein the region of increased diameter comprises a ring-shaped flexible member.

28. (New) A system according to claim 2 wherein the region of increased diameter is shaped so that once the flexible rotary ring is fitted over said region of increased diameter, the central region of said rotary ring is substantially parallel with the axis of said machine part.

29. (New) A method of mounting a flexible rotary scale onto a part of a machine, the method comprising:
stretching or shrinking the flexible rotary scale onto the part.

30. (New) A method of mounting a flexible rotary scale onto a part of the machine according to claim 29, wherein the part has a region of increased diameter and the method includes

31. (New) A method of mounting a flexible rotary scale onto a part of a machine according to claim 29 wherein the region of increased diameter is integral with the part of the machine.

32. (New) A method of mounting a flexible rotary scale onto a part of a machine according to claim 29 wherein the region of increased diameter is not integral with the part of the machine.

33. (New) A method of mounting a flexible rotary scale onto a part of a machine according to claim 29 wherein the region of increased diameter comprises an annular protrusion.

34. (New) A method of mounting a flexible rotary scale onto a part of a machine according to claim 29 wherein the region of increased diameters comprises a tapered surface.

35. (New) A method of mounting a flexible rotary scale onto a part of a machine according to claim 29 wherein the flexible rotary scale is provided with a tapered surface.

36. (New) A method of mounting a flexible rotary scale onto a part of a machine according to claim 29 wherein at least one of the region of increased diameter and the flexible rotary scale are provided with a tapered surface and form a self locking taper.

37. (New) A method of mounting a flexible rotary scale onto a part of a machine according to claim 32 wherein the region of increased diameter comprises a ring-shaped member.

38. (New) A method of mounting a flexible rotary scale onto a part of a machine according to claim 29 wherein the region of increased diameter is shaped so that once the flexible rotary scale is fitted over said region of increased diameter, the central region of said flexible rotary scale is substantially parallel with the axis of said part.